WAP070

Industrial IP67 Outdoor Access Point, Single RF, Dual Band, 802.11a/b/g/n

Why DivioTec?

DivioTec's aim is to transcend the capabilities of the human eye and deliver an entirely new field of view. Our integrative skills and our 20 years of industry experience are constantly driving new innovations.

Our simple, easy-to-use interfaces and our rock-solid security hardware are rapidly earning the respect and confidence of our clients.

We also make a point of listening carefully to our customers' needs, applying what we learn to develop outstanding new products and a culture of exceptional service.

At DivioTec, our experience is your protection.

- IEEE802.11 a/b/g/n for transmission rate up to 300Mbp
- Gigabit Ethernet with uplink port powered with standard IEEE 802.3af PoE
- Weatherproof IP68 rated metal-inside housing with -35 to +75°C operating wide-temperature
- Venting window with Teflon membrane for balancing air pressure
- Multiple Virtual APs for grouping policy management
- Multiple operating mode – AP/Repeater/CPE mode
- The layer-2 Wireless Firewall gives protection from wireless attacks
- Comprehensive WLAN security encryption with WEP, WPA/WPA2, IEEE 802.1X or PSK
- Tunnel-based AP management by backend AP controller

Specifications

Wi-Fi AP: WAP070	
Wireless Interface	IEEE a/b/g/n selectable dual band radio operating in 2.4GHz or 5GHz frequencies
Modulation	OFDM (64-QAM, 16-QAM, QPSK, BPSK) DSSS (CCK, DBPSK, DQPSK)
Wireless architecture	AP mode WDS mode Repeater mode CPE mode
Channels	USA: 1~11, 36, 40, 44, 48, 52~64, 100~136, 149~161 Japan: 1~13, 36, 40, 44, 48, 52~64, 100~136 Europe: 1~13, 36, 40, 44, 48, 52~64, 100~136
Data rate with auto fallback	802.11a: 6 ~ 54 Mbps 802.11b: 1 ~ 11 Mbps 802.11g: 6 ~ 54 Mbps 802.11n: 6.5 ~ 300Mbps
Transmit Power	802.11a: 16dBm@54Mbps ±2dB 802.11b: 25dBm@11Mbps ±2dB 802.11g: 22dBm@54Mbps ±2dB 802.11n 5G HT20 & HT40: 15dBm@MCS7 ±2dB 802.11n 2.4G HT20 & HT40: 21dBm@MCS7 ±2dB
Receiver Sensitivity	802.11a: -89dBm@54Mbps ±2dB 802.11b: -93dBm@11Mbps ±2dB 802.11g: -91dBm@54Mbps ±2dB 802.11n 5G HT20: -83dBm@MCS0 ~ -65dBm@MCS7 802.11n 5G HT40: -80dBm@MCS0 ~ -62dBm@MCS7 802.11n 2.4G HT20: -85dBm@MCS0 ~ -67dBm@MCS7 802.11n 2.4G HT40: -82dBm@MCS0 ~ -62dBm@MCS7
Multiple Operating Modes	AP mode WDS mode (WDS bridge): support up to 4 WDS links Repeater mode: Acting as AP and STA client simultaneously CPE mode (Clint gateway)
Gateway Features in CPE Mode	IP sharing on the LAN side for multiple users (subscribers) to get access to the Internet by built-in NAT mode Built-in DHCP server for issuing local IP address Built-in DDNS/DNS client Uplink and downlink bandwidth management IP/Port forwarding and DMZ
General Access Point Features	Number of ESSIDs (Virtual APs): 2 x 8 Number of associated clients: 128 Setting for maximum number of associated clients Adjustable beacon interval Auto fallback data rate Support IAPP RTS/CTS and fragmentation control ACK timeout support Adjustable transmission power: 5 steps, 2dbm per step Wireless site survey: scanning the surrounding Wi-Fi signals Support IEEE 802.11e WMM and QoS

Security	Data encryption: WEP (64/128/152 bits), WPA/WPA2 with TKIP or AES-CCMP with key' s refreshing period setting User authentication: WEP, IEEE 802.1z, WPA-Personal, WPA-Enterprise, MAC ACL, MAC authentication using RADIUS with built-in 802.1X Authenticator Supports IEEE 802.11 mixed mode; open and shared key authentication Hidden ESSID: Enable/Disable broadcasting SSID Station Isolation: All associated stations can not communicate with each other when function enabled Supports AES data encryption over WDS link Built-in Layer 2 firewall, blocking Dynamic ARP inspection & DHCP Snooping
Administration	Web-based management interface with remote configuration management and firmware upgrade capabilities Utilities for system configuration backup and restoration SNMP MIB II support (v1/v2c) NTP time synchronization Watch dog: auto recovery while detecting system fault Syslog client Support Event Log and Syslog reporting to external server Supports Radius accounting and accounting update Supports statistic on total transmission encountered and transmitting error occurred
Physical and Power	Total power consumption: 12W maximum Support IEEE 802.3at PD Form factor: wall or pole mount Dimension (WxDxH): 182*111*45mm (not include antenna) Weight: 900g
Hardware Specification	Uplink Port: 1x 10/100/1000 Base-T Ethernet with IEEE802.3af PoE (as PD) 2x N-type (female) connector for external antenna Protective vent window Form factor: wall or Pole mountable Metal case: IP68 rating
Operating temperature	-35 ~+75° C
Storage temperature	-40 ~ +80° C
Humidity	95 % (non-condensing)
Certification	FCC, CE, RoHS compliant
Package Contents	WAP070 x 1, CD-ROM (with User's Manual and QIG) x 1, Mounting Kit x 4, Round cable x 1, PSE with power cord x1

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Specifications are subject to change without notice.
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